

WEAR RESISTANT ROUND LINK CHAIN

There are three types of wear-resistant chains

1. Low temperature tempering (LTT) G90

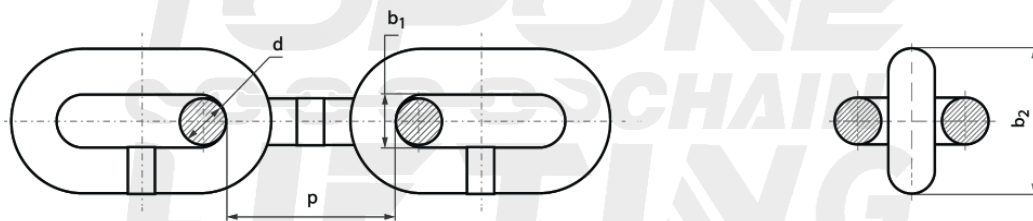
Use a temperature lower than A1 during tempering, sacrifice elongation to increase breaking load and hardness (40~42HRC or 390HB), Elongation 14%

2. Quenching only (QO) G60

Only quenching (temperature exceeds AC3) without tempering, sacrifice elongation and breaking load to increase overall hardness (45~47HRC or 450HB), Elongation 10%

3. Carbonitriding (C-N) G40

Through carbonitriding, a hard shell is formed on the surface of the chain (depth: up to 15% of the chain diameter, hardness: up to 64HRC or 800HV), and the core is soft with a certain elongation (relative elongation 1~3.5%).



Dimension

Chain Size d x p	Diameter d	Pitch P	b1 min.	b2 max.	Weight
(mm)	(mm)	(mm)	(mm)	(mm)	(kg/m)
14 x 50	14 ±0.4	50 ±0.5	17	48	4.0
18 x 64	18 ±0.5	64 ±0.6	21	60	6.6
19 x 64.5	19 ±0.6	64.5 ±0.6	22	63	7.4
22 x 86	22 ±0.7	86 ±0.9	26	73	9.5
24 x 86	24 ±0.7	86 ±0.9	28	79	11.6
24 x 87.5	24 ±0.7	87.5 ±0.9	28	79	11.5
26 x 92	26 ±0.8	92 ±0.9	30	85	13.7
30 x 108	30 ±0.9	108 ±1.1	34	97	18.0
34 x 126	34 ±1.0	126 ±1.3	38	110	22.7
38 x 126	38 ±1.1	126 ±1.4	42	121	30.1
38 x 137	38 ±1.1	137 ±1.4	42	121	29.0
42 x 137	42 ±1.1	137 ±1.4	48	137	36.9
42 x 146	42 ±1.1	146 ±1.5	48	137	36.0

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Chain Size d x p (mm)	Characteristic	Chain Grade	Test Force (KN)	Breaking Force min. (KN)
14 x 50	LTT	G90	218	277
	QO	G60	146	185
	C-N	G40	97	123
18 x 64	LTT	G90	361	458
	QO	G60	240	305
	C-N	G40	163	203
19 x 64.5	LTT	G90	403	510
	QO	G60	268	340
	C-N	G40	179	227
22 x 86	LTT	G90	540	684
	QO	G60	360	456
	C-N	G40	240	304
24 x 86 24 x 87.5	LTT	G90	643	814
	QO	G60	426	540
	C-N	G40	285	362
26 x 92	LTT	G90	754	955
	QO	G60	503	637
	C-N	G40	335	425
30 x 108	LTT	G90	1003	1270
	QO	G60	669	848
	C-N	G40	446	565
34 x 126	LTT	G90	1291	1635
	QO	G60	860	1089
	C-N	G40	573	726
38 x 126 38 x 137	LTT	G90	1611	2040
	QO	G60	1074	1360
	C-N	G40	715	906
42 x 137 42 x 146	LTT	G90	1968	2492
	QO	G60	1312	1662
	C-N	G40	875	1108